References

1) Acarturk F, Margret Chandira, Shyam Sharma, Debjit Bhowmik, B. Jayakar (1992) effect of some natural polymers on the solubility and dissolution characteristics of nifedipine. International Journal of Pharmaceutics; 85(1-3), 1-6.

2) Baghel U. S. et al (2012) Exploring the Application of Hydrotropic Solubilization Phenomenon for Estimating Diacerein in Capsule Dosage Form by Spectrophotometry Methods. Asian Pacific Journal of Tropical Biomedicine; S1720-S1727.

3) Benjamin C-Y and N. Nagendra Gandhi (1990) Solubility enhancement in supercritical solvents. Pure & Appl. Chem; 62(12), 2277-2285.

4) Bhole P.G et al (2009) Enhancement of water solubility of felodipine by preparing solid dispersion using polyethylene glycol 6000 and poly vinyl alcohol. Asian Journal of Pharmaceutics; 3(3), 240-244.

5) Chinmay Anand et al (2013) A Dual Approach of Technologies In Solubility Enhancement and Taste Masking In Formulation of Paracetamol Rapid Dispersible Tablets. International Journal of Pharmaceutical Innovations; 3(1); 1-15.

6) Dahima R et al (2013) A comparative study of solubility enhancement of enalapril using formulation of solid dispersion and using hydrotropic solubilization technique. Research Journal of Pharmaceutical, Biological and Chemical Sciences; 4(4); 1301.

7) Deepika Singh, Amit Kumar Sharma,Om Prakash Pandey (2010) Simple ecofriendly titrimetric analytical method to estimate ketoprofane in the bulk drug sample using mixed hydrotropy. International Journal of Pharma and Bio Sciences; 1, 711-714.

8) Dong Han Won et al (2005) Improved physicochemical characteristics of felodipine solid dispersion particles by supercritical anti-solvent precipitation process. International Journal of Pharmaceutics; 301(1-2), 199-208.

9) Dong Jin Jang, Raymond E. Galinsky, and Kinam Park (2006) Improvement of bioavailability and photostability of amlodipine using redispersible dry emulsion, European Journal of Pharmaceutical Sciences; 28(5), 405-411.

10) Guillaume F. et al (1992) Elaboration and physical study of an oxodipine solid dispersion in order to formulate tablets, Informaworld – Drug Development and Industrial Pharmacy; 18(8), 811-827.

11) Hariprasanna R.C, Pandurang Gaikwad, Rupali Joshi (2010) A study on formulation and processing factor influencing the release of felodipine. International Journal of Current Pharmaceutical Research; 2(3).

12) Janakiraman . B, Sharma M. M. (1985) Enhancing rates of multiphase reactions through hydrotropy. Chemical Engineering Science ; 40(11); 2156-2158.

13) Jin Song Ding et al (2008) Solid dispersion of rutaecarpine improved its antihypertensive effect in spontaneously hypertensive rats. Wiley Interscience; 29(9), 495-500.

14) Kim Sungwon Kang, Moo Huh, Jaehwi, LeeYong Woo Cho, Raymond, E. Galinsky, and Kinam Park (2008) Hydrotropic polymer micelles containing acrylic acid moieties for oral delivery of paclitaxel. J Control Release; 132 (3), 222–229.

15) Kishori M. Chavan et al (2014) Novel Formulation strategy to enhance solubility of quercetin. Pharmacophore; 5 (3), 358-370.

16) Kongmuang-Somlak et al (2002) Hydrotropic solubilization of riboflavin by urea, nicotinamide and nicotinamide analogues in aqueous systems. Thai J. Pharm. Sci; 26(1-2), 61-68

17) Kulkarni Jayant Sunil, Goswami Kamalgiri Ajaygiri (2014) Research on application of hydrotropy: A Review. International Journal of Science, Engineering and Technology Research (IJSETR); 3(10); 2617-2619.

18) Laitinen Riikka, Eero Suihko , Kaisa Toukola , Mikko Björkqvist , Joakim Riikonen , Vesa Pekka Lehto ,Kristiina Järvinen , Jarkko Ketolainen (2009) Intraorally fast-dissolving particles of a poorly soluble drug: Preparation and in vitro characterization. European Journal of Pharmaceutics and Biopharmaceutics; 71, 271–281.

19) Maheshwari R.K., Maliwal Deepika, Anurekha Jain (2009) Ecofriendly spectrophotometric estimation of Tinidazole in tablets using lignocaine hydrochloride as hydrotropic solubilizing agent. Asian Journal of Pharmaceutics; 319-321.

20) Maheshwari R.K. et al (2009) Quantitative estimation of naproxen in tablets using ibuprofen sodium as hydrotropic agent. Indian Journal of Pharmaceutical Sciences; 71(3), 335-337.

21) Maheshwari R.K., D. Arif , P. Mittal, P. Manchandani, A. Indurakhya, S. Jawade (2010) Quantitative spectrophotometric determination of ornidazole tablet formulations using ibuprofen sodium as hydrotropic solubilizing agent. Digest Journal of Nanomaterials and Biostructures; 5(1), 97-100 .

22) Mesnukul A, Arpna Indurkhya (2009) Solid dispersion matrix tablet indomethacin –PEG – HPMC fabricated with fusion and mold technique. Indian Journal of Pharmaceutical Sciences; 71(4), 413-420.

23) N.Varagunapandiyan , A Pasupathi, Haresh A. Patel, R. Margret Chandira, D. Bhowmik, B. Jayakar (2008) Enhancement of solubility and mass transfer coefficient through hydrotropy. International Journal of Applied Science and Engineering; 6(2),97-110.

24) Pandit . A, Sharma M. M. (1987) Intensification of Heterogeneous reactions through hydrotropy: Alkaline hydrolysis of esters and oximation of cyclododecanone. Chemical Engineering Science ; 42(11); 2517-2523.

25) Park kinam, Acharya Ghanashyam, Lee Jaehwi, Lee Cheon Sang (2003) Pharmaceutical applications of hydrotropic agents, polymers Thereof, and hydrogels Thereof . Patent application publication ; 1-38.

26) Rajebahadur Minal et al (2006) Mechanistic Study of Solubility Enhancement of Nifedipine Using Vitamin E TPGS or Solutol HS-15. Informaworld – Drug Delivery. 13(3), 201-206.

27) Ramesh N. Gopale et al (2015) Solubility enhancement of nevirapine by hydrotropic solubilization. Indo American Journal of Pharmaceutical Sciences ; 2(8); 1240-1247.

28) Rasool A.A, Michelle, Papp, Kinam Park, Rodolfo pinal (2006) Solubility enhancement of some water-insoluble drugs in the presence of nicotinamide and related compounds. Journal of Pharmaceutical Sciences; 80(4), 387-393.

29) Shafi[1*] Mohammad Shiraz Momin and Saudagar[2] Bhanudas Ravindra (2015) A Review on: Novel solubility enhancement technique hydrotropy. World Journal of Pharmaceutical Research; 4(2); 324-332.

30) Sharma1* Neha , Shah[2]. Z. Sania (2011) Hydrotropy. International Journal of Pharma Professional's Research; 2(4); 471-481.

31) Sharma Shailesh et al (2007) Development and evaluation of carvedilol fast dissolving tablets using superdisintigrates and solid dispersion technique; The Pharma Review.

32) Shukla Meenakshi, Priyanka Rathore, Satish Nayak (2010) Enhanced solubility study of glipizide using different solubilization techniques. International Journal of Pharmacy and Pharmaceutical Sciences; 2(2), 46-48.

33) Singh Sameer et al (2011) A Review on Solid Dispersion. International Journal of Pharmacy and Life Sciences; 2(9); 1078-1095.

34) S Lewis *, Dhirendra K, Udupa N and Atin K (2009) Solid Dispersions: A Review. Pak. J. Pharm. Sci; 22(2); 234-246.

35) Swarna rekha . A * and Raja shekhar .S (2015) Review on formulation and evaluation of Glipizide Nanosuspension. International Journal of Trends in Pharmacy and Life Sciences ; 1(2); 279-293.

36) Thangabalan B, K Vadivel, K Sowjanya, G Tejaswi, N Thejaroop, S Manohar babu (2011) Quantitative spectrophotometric determination of sildenafil citrate in tablet formulation using urea as hydrotropic solubilizing agent, Research Journal of Pharmaceutical Biological and Chemical Sciences; 2(2), 235-239.

37) T.Phaechamud et al (2009) Solid dispersion matrix tablet of comprising indomethacin – PEG-HPMC fabricated with fusion and molt technique. Indian Journal of Pharmaceutical Sciences; 71(4),413 -420.

38) Vemula Raj varun[*1], Lagishetty Venkateshwarlu[1], Lingala Srikanth[2] (2010) Solubility enhancement techniques. International Journal of Pharmaceutical Sciences Review and Research ; 5(1); 41-51.

39) Vinnakota S.N.Anish, Bajpai Meenakshi, Sachdeva Monika (2011) Simultaneous estimation and validation of aceclofenac and paracetamol from bulk and tablets using mixed hydrotropic solubilisation, Asian Journal of Biochemical and Pharmaceutical Research; 1(1) .

Name of research scholar

Anu Kaushik

Name of research guide

Dr. Rakesh Kumar Jat